



Oreoglanis hponkanensis, a new sisorid catfish from north Myanmar (Actinopterygii, Sisoridae)

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Abstract

During a survey of the Mali Hka River drainage in Hponkanrazi Wildlife Sanctuary in December 2015, a new species was collected and is described herein as *Oreoglanis hponkanensis*. It is a member of the *O. siamensis* species group and can be distinguished from its congeners in having a unique combination of the following characters: lower lip with median notch and posterior margin entire, caudal fin emarginate, nasal barbel reaching about half the distance to eye, tip of maxillary barbel rounded, posterior margin of maxillary barbel entire, absence of pale elliptical patches on sides of body below adipose fin, absence of patch on base of first dorsal fin ray, caudal fin brown with two round, bright orange patches in middle, branched dorsal fin rays 5, branched anal fin rays 2, vertebrae 40, pectoral fin surpassing pelvic fin origin, pelvic fin length 21–26% SL, caudal peduncle length 25–33% SL, caudal peduncle depth 3–5% SL, adipose fin base length 34–39% SL, and dorsal to adipose distance 12–16% SL.

Keywords

Hponkanrazi, Irrawaddy, Myanmar, Siluriformes

Introduction

The Sisoridae is the largest family of Asian catfish, with more than 200 species and 22 genera (Ferraris 2007; Ng 2015). Members are found along the entire southern arc of the Asian continent and comprise a significant portion of the hill-stream fauna in southern and eastern Asia (Ng and Jiang 2015). Recent morphological (Ng 2015) and molecular research (Ng and Jiang 2015) reconstructed the monophyly of Sisoridae and divided it into Sisorinae and Glyptosterninae subfamilies. The Sisorinae includes 12 genera in three tribes (Bagariini, Erethistini and Sisorini). The Glyptosterninae includes 10 genera in one tribe (Glyptosternini). The Glyptosterninae is well-supported as a monophyletic group with 15 synapomorphies, within which *Oreoglanis* is monophyletic and considered to be a sister group of *Pseudoexostoma* and *Exostoma*, with five synapomorphies (Ng 2015), and a sister group of *Creteuchiloglanis* and *Pseudoexostoma* (Ng and Jiang 2015).

The genus *Oreoglanis* was established by Smith (1933) for glyptosternine catfish characterized with a continuous postlabial groove in the lower jaw and an unusual dentition of pointed teeth in the upper jaw and posterior part of the lower jaw and truncate-spatulate teeth in the anterior part of the lower jaw (Ng and Kottelat 1999). There are currently 22 valid species of *Oreoglanis* (Ng and Rainboth 2001; Ng and Freyhof 2001; Ng 2004; Kong et al. 2007; Vidthayanon et al. 2009; Linthoingambi and Vishwanath 2011; Sinha and Tamang 2015). Among them, only *O. macropterus* and *O. insignis* have been recorded from the Irrawaddy River drainage of Myanmar and China. During a survey of the Mali Hka River drainage in Hponkanrazi Wildlife Sanctuary in December 2015, we collected specimens of *Oreoglanis*, which we identified as a new species and describe herein as *O. hponkanensis*.

Materials and methods

Measurements were made point to point with dial calipers and recorded to 0.2 mm. Counts and measurements were made on the left side of the specimens when possible. Subunits of the head were measured as proportions of head length (HL). Head length and body parts were measured as proportions of standard length (SL). Counts and measurements followed Ng and Kottelat (1999). Vertebral counts followed Roberts (1994). Images of tooth bands, maxillary barbels, and genital papillae were taken with an Olympus SZ61 and ToupCam microscope digital camera. Radiographs were obtained to count vertebrae using a digital Cabinet X-ray System (Kubtec Xpert 80). The examined specimens are deposited at the Kunming Institute of Zoology (KIZ), Chinese Academy of Sciences (CAS), Kunming, China, and the Southeast Asia Biodiversity Research Institute (SEABRI), Chinese Academy of Sciences, Nay Pyi Taw, Myanmar.

Results

Oreoglanis hponkanensis sp. n. http://zoobank.org/A539FAAD-34D9-4370-ABCA-D6048BC54CA6 Figure 1

Holotype. KIZ2015006376 (CXY20150125), 102.14 mm SL; Myanmar: Kachin State, Hponkanrazi Wildlife Sanctuary, Zeyar Stream near Zeyar Dan Village, 27°34.2'N, 97°06.05'E; XY. Chen, T. Qin and SS. Shu, 14 Dec. 2015.

Paratypes. KIZ2015006375 (CXY20150124), KIZ2015006377 (CXY20150126), 2 ex., 78.88–99.26 mm SL; data as for holotype. SEABRI-CXY20150143, 1 ex., 110.68 mm SL; Myanmar: Kachin State, Hponkanrazi Wildlife Sanctuary, Ponyin Stream near Zeyar Dan Village, 27°33.86'N, 97°05.42'E; XY. Chen, T. Qin and SS. Shu, 14 Dec. 2015. SEABRI-CXY20150104, SEABRI-CXY20150106, KIZ2015006378, 3 ex., 70.6–120.64 mm SL; Myanmar: Kachin State, Hponkanrazi Wildlife Sanctuary, Zeyar Stream near Zeyar Dan Village, 27°34.2'N, 97°06.05'E; XY. Chen, T. Qin and SS. Shu, 9 Dec. 2015. SEABRI-CXY20150078, 1 ex., 88.78 mm SL; Kachin State, Hponkanrazi Wildlife Sanctuary, Monlar Stream near Warsar Dan Village, 27°29.82'N, 97°11.34'E; XY. Chen, T. Qin and SS. Shu, 7 Dec. 2015.

Diagnosis. Oreoglanis hponkanensis is a member of the O. siamensis species group, and can be distinguished from its congeners in having a unique combination of the following characters: lower lip with median notch and posterior margin entire, caudal fin emarginate, nasal barbel reaching about half the distance to eye, tip of maxillary barbel rounded, posterior margin of maxillary barbel entire, absence of pale elliptical patches on sides of body below adipose fin, absence of patch on base of first dorsal fin ray, caudal fin brown with two round, bright orange patches in middle, branched dorsal fin rays 5, branched anal fin rays 2, vertebrae 40, pectoral fin surpassing pelvic fin origin, pelvic fin length 21–26% SL, caudal peduncle length 25–33% SL, caudal peduncle depth 3–5% SL, adipose fin base length 34–39% SL, and dorsal to adipose distance 12–16% SL.

Description. Morphometric data are listed in Table 1. Head and body moderately broad and very strongly depressed. Mouth and gape inferior, with broad and thin papillate lips. Lower lip with median notch, posterior margin entire. Postlabial groove on lower jaw present and uninterrupted. Jaw teeth pointed, in a large broad band with small median indentation and rounded ends on both sides of upper jaw. Teeth on lower jaw present in two, well-separated patches of roughly triangular shape and of two kinds: anterior teeth truncate-spatulate, inner face curved; posterior teeth pointed like those of upper jaw (Figure 2). Eyes small, dorsolaterally situated and subcutaneous. Gill openings extending to middle of pectoral fin base. Maxillary barbels flattened, with surrounding flap of skin and rounded tip; ventral surface with numerous plicae; posterior margin of maxillary barbel entire (Figure 3D). Nasal barbel short, reaching about half the distance to eye.



Figure 1. Oreoglanis hponkanensis, SEABRI CXY20150104, paratype, male, 70.6 mm SL.

Dorsal fin without spine and with i, 5 (7) rays. Adipose fin with long base. Anal fin with i, 2 (7) rays. Caudal fin emarginate, with 6/6 (7) rays. Pelvic fin greatly enlarged, with convex distal margin and i, 5 (7) rays; first ray flattened, with numerous plicae on ventral surface; tip of pelvic fin surpassing anus, and anus at midpoint between posterior end of pelvic fin base and tip of pelvic fin. Pectoral fin greatly enlarged, without spine and with i, 16 (4) or i, 17 (3) rays; first ray flattened, with numerous plicae on ventral surface. Tip of pectoral fin reaching beyond pelvic fin origin; Vertebrae 25+15=40 (3), or 26+14=40 (1).

Males with small genital papilla located immediately posterior to anus (Figure 4A). Females with two flaps of skin on both sides of anus, and small genital papilla located in longitudinal groove immediately posterior to anus (Figure 4B).

Color. In life: brown on dorsal and lateral surfaces of head and body, light yellow on ventral region. Dorsal surfaces of head and body with series of small, light yellow

Table 1. Morphometric data of *Oreoglanis hponkanensis* sp. n. (n = 8).

Catalog number	Holotype	Range	Mean	SD
Total length (mm)	114.3	80.1–135.0	_	_
Standard length (mm)	102.1	70.6–120.6	_	_
Percentage of standard length				
Head length	18.5	16.5–22.9	20.0	2.53
Head width	18.3	17.4–23.2	19.8	2.28
Head depth	8.4	8.1–10.3	9.0	0.91
Predorsal length	25.6	24.2–30.9	28.3	2.61
Prepectoral length	12.5	11.2–16.4	13.4	1.92
Prepelvic length	32.3	29.2–34.6	32.7	2.28
Preanal length	61.3	61.3–69.3	66.2	2.93
Body depth at anus	9.6	9.3–12.0	10.3	1.05
Caudal peduncle length	29.9	25.4–33.2	29.7	2.99
Caudal peduncle depth	3.6	3.1-4.8	3.8	0.58
Dorsal to adipose distance	15.8	11.5–16.0	14.4	1.79
Post adipose length	11.2	8.4–11.9	10.4	1.27
Dorsal fin base length	9.0	7.8–10.6	9.3	1.11
Adipose fin base length	36.8	36.3–39.2	37.5	1.19
Pectoral fin length	25.0	23.4–29.0	26.3	2.28
Pelvic fin length	21.0	20.5–25.9	23.1	2.11
Anal fin base length	3.1	3.1–5.5	3.8	1.00
Percentage of head length				
Head width	1.0	0.9–1.1	1.0	0.04
Head depth	0.5	0.4-0.5	0.5	0.03
Snout length	0.7	0.6-0.7	0.6	0.03
Interorbital width	0.3	0.3-0.3	0.3	0.02
Eye diameter	0.1	0.1-0.1	0.1	0.01
Nasal barbel length	0.2	0.2-0.2	0.2	0.03
Maxillary barbel length	1.0	0.8–1.1	0.9	0.08
Outer mandibular barbel length	0.2	0.2-0.2	0.2	0.01
Inner mandibular barbel length	0.2	0.1-0.2	0.2	0.03

patches: two ovoid patches on occipital region, elliptical patches on anterior and posterior bases of adipose fin. Ovoid patch on base of first dorsal fin ray absent, and elliptical patch on lateral surface of body below middle part of adipose fin base absent. Dorsal fin brown, dorsal surfaces of pectoral and pelvic fins brown, anal fin and ventral surfaces of pectoral and pelvic fins light yellow. Adipose fin light yellow. Caudal fin brown with two round, bright orange patches in middle. Pectoral fin base occasionally with round yellow patch on inner and outer anterior sides, respectively. Dorsal surface of barbels brown, ventral surface light yellow.



Figure 2. Tooth band of Oreoglanis hponkanensis, SEABRI CXY20150106, paratype, male, 120.64 mm SL.

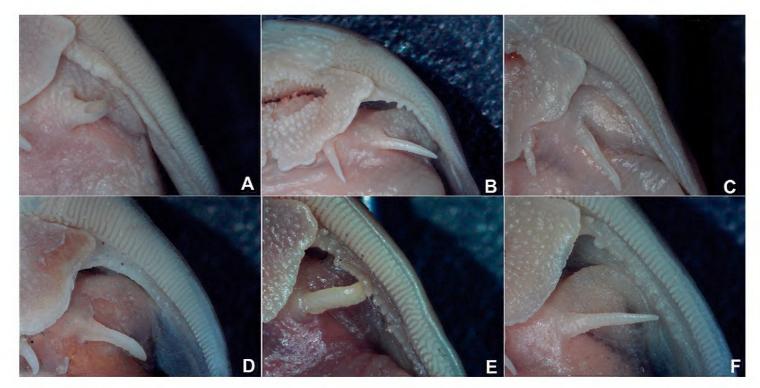


Figure 3. Comparison of posterior margin of maxillary barbel of *Oreoglanis* species. **A** *O. jingdongensis*, KIZ 200104003, holotype, 109.1 mm SL **B** *O. immaculatus*, KIZ 200261015, holotype, 54.2 mm SL **C** *O. insignis*, KIZ 9810191, holotype, 66.7 mm SL **D** *O. hponkanensis*, KIZ CXY20150126, paratype, 78.88 mm SL **E** *O. macropterus*, KIZ 2004000834, 79.6 mm SL **F** *O. setiger*, KIZ 2016000859, 90.0 mm SL.



Figure 4. Ventral view of anus and external genital papilla of *Oreoglanis hponkanensis*. **A** SEABRI CXY20150106, paratype, male, 120.64 mm SL **B** SEABRI CXY20150078, paratype, female, 88.78 mm SL.

Distribution. Known from high mountain streams of Mali Hka River drainage (upper Irrawaddy River drainage) in Hponkanrazi Wildlife Sanctuary, Kachin State, north Myanmar (Figure 5).

Habitat. Fast flowing mountain streams with stone, cobble, and sand beds (Figure 6A, B). Other associated fish species recorded from the type locality include: Cyprinidae: Danio aequipinnatus, Barilius barnoides, Tor qiaojiensis, Neolissochilus sp., Garra salweenica, Garra bispinosa, Placocheilus dulongensis, Schizothorax meridionalis; Nemacheilidae: Paracanthocobitis adelaideae, Schistura malaisei; Siluridae: Pterocryptis berdmorei; Amblycepitidae: Amblyceps murraystuarti; Sisoridae: Exostoma vinciguerrae; Channidae: Channa burmanica.

Etymology. From Hponkanrazi Wildlife Sanctuary, adjectival.

Discussion

Oreoglanis hponkanensis is a member of the O. siamensis species group (sensu Ng and Rainboth 2001) based on the presence of a lower lip with a median notch. There are 13 species in this group, including O. hponkanensis. Oreoglanis hponkanensis can be distinguished from its congeners in the O. siamensis species group by branched anal fin rays 2 vs. 3–6.

Oreoglanis hponkanensis shares with O. immaculatus, O. insignis, O. jingdongensis, O. laciniosus, O. majusculus, O. macropterus, O. pangenensis, O. setiger, and O. suraswadii in having the tip of the maxillary barbel rounded and the pectoral fin reaching or surpassing pelvic fin origin (vs. tip of maxillary barbel pointed and pectoral fin not reaching pelvic fin origin in O. siamensis, O. sudarai, and O. heteropogon).

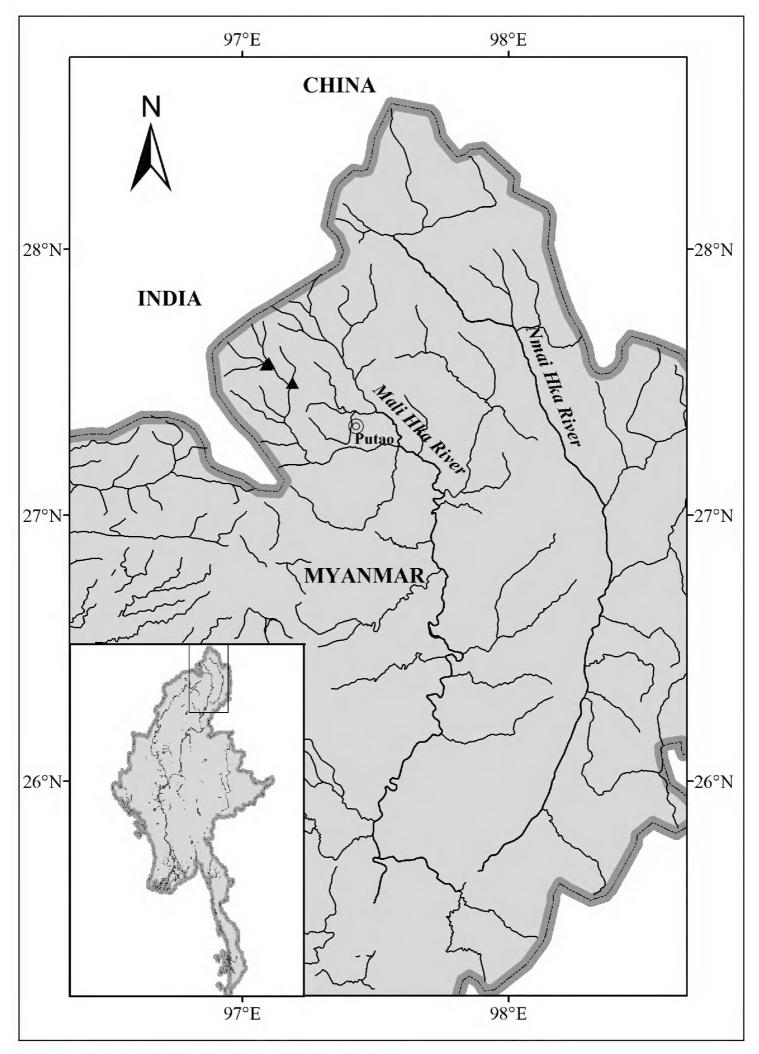


Figure 5. Distribution map of *Oreoglanis hponkanensis*.

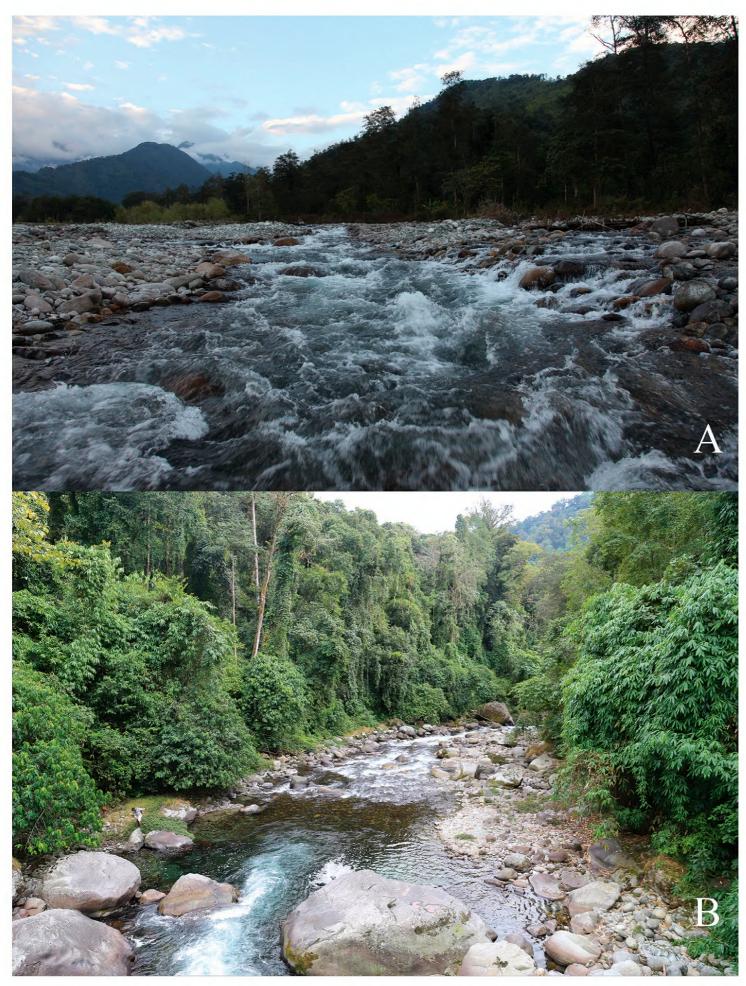


Figure 6. Habitat of *Oreoglanis hponkanensis*. **A** Zeyar Stream, Mali Hka drainage, Hponkanrazi Wildlife Sanctuary, north Myanmar **B** Monlar Stream, Mali Hka drainage, Hponkanrazi Wildlife Sanctuary, north Myanmar.

Oreoglanis hponkanensis is further distinguished from *O. siamensis* in having the posterior margin of lower lip entire (vs. with small laciniate projections), the posterior margin of the maxillary barbel entire (vs. lobulated), longer pelvic fin (surpassing vs. not reaching anus; length 21–26% SL vs. 15–16), absence (vs. presence) of pale patches on the sides of the body below the adipose fin, fewer branched dorsal fin rays (5 vs. 6), longer and more slender caudal peduncle (length 25–33% SL vs. 17–23; depth 3–5% SL vs. 5–6), shorter nasal barbel (16–25% HL vs. 28–37), and larger interorbital distance (28–34% HL vs. 23–27).

Oreoglanis hponkanensis can be further distinguished from O. sudarai in having the posterior margin of lower lip entire (vs. with lobulate projections), longer pelvic fin (greatly surpassing anus vs. slightly surpassing), absence (vs. presence) of pale patches on sides of body below adipose fin absent, longer caudal peduncle (length 25–33% SL vs. 17–23), shorter prepelvic length (29–35% SL vs. 37–43), shorter anal fin base length (3–6% SL vs. 6–9), longer pelvic fin length (21–26% SL vs. 13–17), and shorter nasal barbel (16–25% HL vs. 27–41).

Oreoglanis hponkanensis can be distinguished from *O. heteropogon* in having the nasal barbel reaching midway between its base and anterior orbital (vs. reaching anterior margin of orbit), the posterior margin of the maxillary barbel entire (vs. with crenulate projections), more branched dorsal fin rays (5 vs. 6), more vertebrae (40 vs. 38), shorter predorsal length (24–31% SL vs. 35), shorter prepectoral length (11–16% vs. 19), shorter prepelvic length (29–35% SL vs. 42), shorter preanal length (61–69% SL vs. 75), shorter dorsal to adipose distance (12–16% SL vs. 20), longer caudal peduncle (length 25–33% SL vs. 18), shorter post-adipose distance (8–12% SL vs. 13), longer adipose fin base (34–39% SL vs. 29), longer pelvic fin (21–26% SL vs. 13), shorter anal fin base (3–6% SL vs. 7), larger interorbital distance (28–34% HL vs. 22), and shorter nasal barbel (16–25% HL vs. 33).

Oreoglanis hponkanensis differs from O. jingdongensis and O. suraswadii in having the caudal fin emarginate (vs. lunate). It can be further distinguished from O. jingdongensis in having the posterior margin of the maxillary barbel entire (vs. with crenulate projections, Figure 3A), more slender and narrower caudal peduncle (length 25–33% SL vs. 20–26, depth 3–5% SL vs. 5–8), pelvic fin surpassing anus for a longer distance (vs. just surpassing), less blunt snout, and fewer vertebrae (40 vs. 42–43). It can be further differentiated from O. suraswadii in having the pelvic fin greatly surpassing anus (vs. just surpassing), more vertebrae (40 vs. 36–38), absence (vs. presence) of pale patches on sides of body below adipose fin, longer caudal peduncle (25–33% SL vs. 19–25), shorter prepelvic length (29–35% SL vs. 36–40), and shorter dorsal fin base (8–11% SL vs. 11–14).

Oreoglanis hponkanensis can be distinguished from O. laciniosus in having the posterior margin of the lower lip entire (vs. with lobulate projections), absence (vs. presence) of pale patches on sides of body below adipose fin, shorter predorsal length (24–31% SL vs. 35–37), shorter prepelvic length (29–35% SL vs. 38–42), and longer adipose fin base (34–39% SL vs. 32–33).

Oreoglanis hponkanensis shares a similar color pattern with O. immaculatus, but differs in having the posterior margin of the lower lip entire (vs. with lobulate projections), the posterior margin of the maxillary barbel entire (vs. with laciniate projections, Figure

3B), more vertebrae (40 vs. 37–38), longer pelvic fin (21–26% SL vs. 18–21), pelvic fin far surpassing anus (vs. just surpassing), much slenderer caudal peduncle (length 25–33% SL vs. 17–21, depth 3–5% SL vs. 5–7), longer adipose fin base (34–39% SL vs. 26–33), and shorter dorsal to adipose distance (12–16% SL vs. 16–23).

Oreoglanis hponkanensis differs from O. macropterus in having the posterior margin of the maxillary barbel entire (vs. with lobulate projections, Figure 3E), absence (vs. presence) of pale patches on sides of body below adipose fin, fewer branched dorsal fin rays (5 vs. 6), fewer caudal fin rays (6/6 vs. 7/8, 8/7, or 8/8), shorter maxillary barbel (surpassing posterior edge of eye vs. closer to gill opening), much slenderer caudal peduncle (length 25–33% SL vs. 19–22 and depth 3–5% SL vs. 8–9), and shorter dorsal to adipose distance (12–16% SL vs. 18–19).

Oreoglanis hponkanensis can be distinguished from O. majusculus in having the posterior margin of the maxillary barbel entire (vs. with villiform projections), absence (vs. presence) of patches on sides of body below adipose fin, fewer branched pectoral fin rays (16–17 vs. 20), fewer caudal fin rays (6/6 vs. 7/8), and much slenderer caudal peduncle (with length 25–33% SL vs. 18–21 and depth 3–5% SL vs. 6).

Oreoglanis hponkanensis differs from O. pangenensis in having the posterior margin of the maxillary barbel entire (vs. with lobulate and laciniate projections), fewer branched dorsal fin rays (5 vs. 6), fewer caudal fin rays (6/6 vs. 7/8), absence (vs. presence) of pale patches on sides of body below adipose fin, slenderer caudal peduncle (with length 25–33% SL vs. 23 and depth 3–5% SL vs. 5), shorter head (17–23% SL vs. 26), shorter predorsal length (24–31% SL vs. 33), shorter preanal length (61–69% SL vs. 75), shorter prepelvic length (29–35% SL vs. 36), longer adipose fin base (34–39% SL vs. 31), and shorter dorsal to adipose distance (12–16% SL vs. 21).

Oreoglanis hponkanensis can be differentiated from *O. setiger* in having the posterior margin of the lower lip entire (vs. with laciniate projections), the posterior margin of the maxillary barbel entire (vs. with laciniate projections, Figure 3F), fewer branched dorsal fin rays (5 vs. 6), anus much closer to snout tip than to caudal fin base (vs. vice versa), absence (vs. presence) of pale patches on sides of body below adipose fin, more vertebrae (40 vs. 36), much slenderer caudal peduncle (with length 25–33% SL vs. 15–16), shorter predorsal length (24–31% SL vs. 32–37), shorter prepelvic length (29–35% SL vs. 37–39), and larger eye diameter (8–12% HL vs. 7–8).

Oreoglanis hponkanensis can be distinguished from *O. insignis* in having the distance between anal fin origin and caudal fin base almost equal to distance between pelvic and anal fin origins (vs. almost equal to distance between posterior end of pelvic fin base and anal fin origin), anus much closer to snout tip than caudal fin base (vs. anus at midpoint between snout tip and caudal fin base), absence (vs. presence) of pale patches on sides of body below adipose fin, black (vs. yellow) tip of caudal fin, fewer branched dorsal fin rays (5 vs. 6), fewer caudal fin rays (6/6 vs. 8/7), more vertebrae (40 vs. 36–39), shorter predorsal length (24–31% SL vs. 31–35), shorter prepelvic length (29–35% SL vs. 36–40), and longer adipose fin base (34–39% SL vs. 29–34).

Within species of the O. siamensis group, O. siamensis and O. sudarai only occur in the Chao Phraya River drainage, O. suraswadii, O. setiger, and O. jingdongensis only occur in the Mekong River drainage, O. heteropogon, O. laciniosus, and O. immaculatus

are found only in the Salween River drainage, *O. majusculus* and *O. pangenensis* only occur in the Brahmaputra River drainage, *O. macropterus* occurs in the Salween and Irrawaddy river drainages, and *O. insignis* and *O. hponkanensis* are only found in the Irrawaddy River drainage. Ng and Rainboth (2001) erroneously stated that *O. insignis* was distributed in the "upper Irrawaddy and Salween (Nu Jiang) river drainages in northern Myanmar and southwestern China" based on specimens from René Malaise's 1934 collection "Qushi, Baoshan, Yunnan, China from the Kambawti area, Kachin state, Myanmar and Tengchong area, Yunnan, China". Kambawti, Tengchong, and Qushi (a Tengchong Township) are located in the Irrawaddy drainage. Thus, *O. insignis* should be confined to the Irrawaddy drainage, as clarified by Chen (2013).

Key to Oreoglanis siamensis group

1	Tip of maxillary barbel pointed; tip of pectoral fin not reaching pelvic fin
	origin2
_	Tip of maxillary barbel rounded; tip of pectoral fin reaching or surpassing
	pelvic fin origin4
2	Nasal barbel reaching midway between its base and anterior orbital margin
_	Nasal barbel reaching anterior orbital margin
3	Pectoral fin not reaching pelvic fin origin
_	Pectoral fin reaching pelvic fin origin
4	Caudal fin lunate5
_	Caudal fin emarginate6
5	Upper and lower caudal fin first principal rays of approximately equal
	length
_	Lower first principal ray of caudal fin much longer than upper O. jingdongensis
6	Posterior margin of lower lip with lobulate projections
_	Posterior margin of lower lip entire10
7	Posterior margin of maxillary barbel entire
_	Posterior margin of maxillary barbel with lobulate or laciniate projections8
8	Posterior margin of maxillary barbel with lobulate projections; yellow patch
	below adipose fin absent
_	Posterior margin of maxillary barbel with laciniate projections; yellow patch
	below adipose fin present
10	Posterior margin of maxillary barbel entire
_	Posterior margin of maxillary barbel with projections12
11	Distance between anal fin origin and caudal fin base almost equal to distance
	between pelvic and anal fin origins; anus much closer to snout tip than caudal
	fin base; patches on sides of body below adipose fin absent
	O. hponkanensis sp. n.
_	Distance between anal fin origin and caudal fin base almost equal to distance
	between posterior end of pelvic fin base and anal fin origin; anus at midpoint

	between snout tip and caudal fin base; patch on sides of body below adipose
	fin present
12	Posterior margin of maxillary barbel villiform; ovoid patch on base of first
	dorsal fin ray absent
_ '	Posterior margin of maxillary barbel lobulate; ovoid patch on base of first
	dorsal fin ray present
13	Posterior margin of maxillary barbel lobulate; caudal peduncle depth 8-9%
	SL
_	Posterior margin of maxillary barbel with lobulate and laciniate projections;
	caudal peduncle depth 5% SL

Comparative material

- Oreoglanis immaculatus. Holotype: KIZ 200261015, 54.2 mm SL, Paratypes: KIZ200261010, 012, 014, 016, 4 ex., 57.4–63.9 mm SL, Nanjing River (a tributary of the upper Salween), Yongde County, Yunnan, China; KIZ 794762, KIZ794763, 2 ex., 52.0–54.3 mm SL, Nangun River (a tributary of the upper Salween), Cangyuan County, Yunnan, China.
- Oreoglanis insignis. Holotype: KIZ 9810191, 66.7 mm SL, Longchuanjiang River (a tributary of the upper Irrawaddy), Tengchong County, Yunnan, China. KIZ 2006010198-217, 220-229, 30 ex., 41.–85.3 mm SL, upper Binglang River (upper Daying River, a tributary of the Irrawaddy), Tengchong County, Yunnan, China.
- Oreoglanis jingdongensis. Holotype: KIZ 200104003, 109.1 mm SL, Paratypes: KIZ 200104001-002, 004-008, 7 ex., 87.1–115.2 mm SL, upper Mengpian River (a tributary of the upper Mekong), Jingdong County, Yunnan, China.
- Oreoglanis macropterus. KIZ 2004000749-754, 825-840, 22 ex., 43.8–85.1 mm SL, a tributary of upper Dulong River (a tributary of the upper Irrawaddy), Gongshan County, Yunnan, China.
- Oreoglanis setiger. KIZ 2016000859, 868, 870, 874, 883, 5 ex., 74.7–95.0 mm SL, Nanbi River (a tributary of the upper Mekong), Mengsa Township, Gengma County, Yunnan, China.

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